UNITED STATES PATENT OFFICE.

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ICE-CREAM-SANDWICH MACHINE.

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To all whom it may concern:

Be it known that I, RUSSELL H. PROPER, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Ice-Cream-Sandwich Machine, of which the following is a full, clear, and exact description.

This invention relates to ice cream apparatus or devices for delivering ice cream or similar frozen commodities from a container in the form of sandwiches or the like.

Among the objects of the invention is to provide a simple hand operated utensil adapted to be plunged into a container of ice cream, carrying with it one biscuit, and so designed as to receive a film of ice cream of suitable thickness to constitute the filler between a bisquit and a second biscuit that will be applied to the face of the film of cream after the device is withdrawn from the container.

Another object of the invention is to provide a device of the nature indicated that will be simple in construction and rapid and efficient in operation, and one which from its nature will not be likely to get out of order or be criticized on sanitary grounds.

With the foregoing and other objects in view the invention consists in the arrangement and combination of parts hereinafter described and claimed, and while the invention is not restricted to the exact details of construction disclosed or suggested herein, still for the purpose of illustrating a practical embodiment thereof reference is had to the accompanying drawings, in which like reference characters designate the same parts in the several views, and in which—

Figure 1 is a vertical sectional view of a preferred embodiment of my invention, the parts being in normal position as when plunged into a mass of cream.

Fig. 2 is a vertical transverse sectional detail on the line 2—2 of Fig. 1.

Fig. 3 is a view corresponding to the principal parts of Fig. 1, but with the ice cream cutter devices moved to their opposite position and with a film of cream severed from the mass and carried upward from the container.

Fig. 4 is a bottom plan view of the device with the parts in the position of Fig. 3, but with the ice cream and biscuit omitted.

Fig. 5 is a vertical transverse sectional detail on the line 5—5 of Fig. 1.

10 indicates as a whole a body having a mold 11 of suitable length and breadth to correspond to the dimensions of an ice cream biscuit B, and of sufficient depth to accommodate a film or filler of ice cream C and upon the face of which after being withdrawn from the mass of cream a second biscuit, not shown, will be applied to complete the sandwich. It will be understood that the mold comprises a flat main bottom portion and a bounding flange or periphery, the free edge of which is indicated at 12 and occupying a single plane parallel to the bottom. The mold is fixed to a rib portion 13 which constitutes a stiffener for the mold and the other main portion of the body 10. 14 indicates a head at the center of the body and constituting a means for attachment of a shank 15 of tubular form, the connection being made through a coupling nut 16 threaded to the head and within the lower end of the shank tube.

The ends of the rib 13 are extended beyond the mold and terminate in heads 17 adjacent to each of which is an expansion spring 18 bearing at its inner end against a keeper 19. The keeper includes a bail 20 connected to the keeper collar and extending laterally therefrom thence downward and thence inward so as to pass over the adjacent end of the mold to the position shown in Fig. 3 to retain the end portion of the filler of cream during the extraction of the device from the mass of cream.

Any suitable key means may be provided to prevent rotation of the keeper on the extension of the rib, or said extension may be of angular form for this purpose.

The keepers are held normally spaced outward from the mold, as shown in Fig. 1, by means of runners 21 slidable toward and from each other along the rib 13. The normal position of the runners is as shown in Fig. 1. To each of the runners is attached a rod or wire 22, the upper end of which is pivoted at 23 to the lower end 24 of a plunger 25 to which is connected a finger piece 26, the connection being through a neck 27 projecting through and slidable lengthwise in a slot 28 formed in the shank tube 15. The pivots 23 project laterally through other slots 29 formed in the shank tube. These sliding parts are held therefore from rotation around the axis of the shank by virtue of the slots. An expansion spring 30 is located in the upper portion of the shank and